

Uvijet QN

UV Curing Ink System for Uvistar Printers

PRODUCT INFORMATION

The Uvijet QN ink system is a range of UV curable inkjet inks developed specifically for use with Uvistar super-wide piezo drop-on-demand printers.

Features

- Fast UV cure for high production output
- Excellent inter-coat lay down for back lit and solid prints
- Wide adhesion range with no loss in flexibility to all media including polyethylene substrates
- Ultra low print odour
- Recommended for indoor and external applications
- Bright vibrant colours
- Suitable for uncoated materials

Ink Properties

Uvijet QN is a range of high density, highly durable, UV curable pigmented inks for piezo drop-on-demand printhead technology.

Using the best quality pigments and Fujifilm's unique Micro V dispersion technology, Uvijet QN inks produce the widest colour gamut of any UV curable, roll to roll ink system, increasing the number of colours printable whilst simultaneously maximising outdoor light fastness for prints with a lasting impact.

Trichromatic Colour Range

QN052 Yellow
QN215 Cyan
QN867 Magenta
QN004 Black
QN255 Lt Cyan
QN335 Lt Magenta
QN003 Lt Black

Available in 5 litre containers

QV017 UV Flush

Available in 5 litre containers

Application Range

Uvijet QN inks are formulated to provide excellent adhesion to flexible materials, giving superb output quality, even at high print speeds. These inks are suitable for a wide range of media such as flexface banners, mesh, blueback or backlit paper, self-adhesive vinyl, flags and many more coated and uncoated media.

Main applications include:

- Posters
- Banners
- Bus/taxi advertising
- Exhibition graphics
- Display POP

Uvijet QN can be used to decorate a wide range of substrates such as:

- Banner grade PVC
- Self-adhesive vinyl
- Mesh
- Poster paper
- Polyethylene
- Polypropylene

THE END USER MUST DETERMINE THE SUITABILITY OF THIS PRODUCT FOR THE INTENDED USE PRIOR TO PRODUCTION.

Curing

Excellent cure and adhesion are achieved immediately upon print and UV curing. However, maximum adhesion, chemical, scuff and scratch resistance may not be obtained until 24 hours after initial curing. The actual level of cure will depend upon ink thickness, substrate and the UV curing lamps being used. Superior through cure may be obtained by reducing the print speed to increase the overall UV dose.

Colour and Outdoor Durability

The highest quality pigments have been chosen allowing the inks to produce a wide colour gamut, maximising the range of colours achievable.

Accelerated weathering tests have been carried out in a Xenon Arc Weatherometer set to the SAEJ 1960 Standard. Under these conditions, for the sign and banner market, the accelerated weathering of Uvijet QN inks equates to approximately 18 months outdoor exposure in a temperate climate such as Northern Europe.

Chemical and Abrasion Resistance

Uvijet QN inks have good chemical and abrasion resistance. For optimum print durability it is recommended to over-varnish or laminate prints to protect the surface from abrasion and chemical attack.

Print Head Warranty

Fujifilm warrant that Uvijet QN inks have been formulated to be compatible with the ink supply system of presses and will not cause damage to the print heads, providing these inks are used in accordance with the original equipment manufacturer's operating and servicing recommendations and Fujifilm's ink storage conditions.

If Fujifilm inks are proven to be the cause of a breakdown, then Fujifilm will replace the defective parts. In the case of a claim, any defective part will be subject to analysis in our quality assurance laboratory to determine the cause and extent of damage due to ink performance. This warranty is in addition to that set out in Fujifilm's standard terms and conditions of supply.

Storage

Uvijet QN ink should not be stored in direct sunlight or near heat sources and should be kept away from peroxides. For optimum shelf-life, products should be stored at moderate temperatures between 5°C and 30°C.

When stored in a cool environment the inks are expected to have a shelf-life of 12 months from date of manufacture.

Fujifilm Speciality Ink Systems Limited:

- Has certification to the International Environmental Standard ISO 14001.
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.

- Research and development team, work to an in-house Health Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Uvijet QN Inks:

- For optimum shelf-life, all products should be stored at moderate temperatures between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product.

Comprehensive information on the safety and handling of Uvijet inks is given in the appropriate Safety Data Sheets.

Environmental Information

Uvijet QN Inks:

- Do not contain ozone-depleting chemicals as described in the Montreal Convention.
- Are formulated free from aromatic hydrocarbons.
- Are free from any volatile solvent and can therefore be considered to have less impact on the environment when compared to solvent-based products.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of Fujifilm Speciality Ink Systems Limited and its associated companies, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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